



## Gulf of Mexico Harmful Algal Bloom Bulletin

30 January 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 26, 2006

### Conditions Report

No impacts are expected in any southern Florida counties through Thursday.

### Analysis

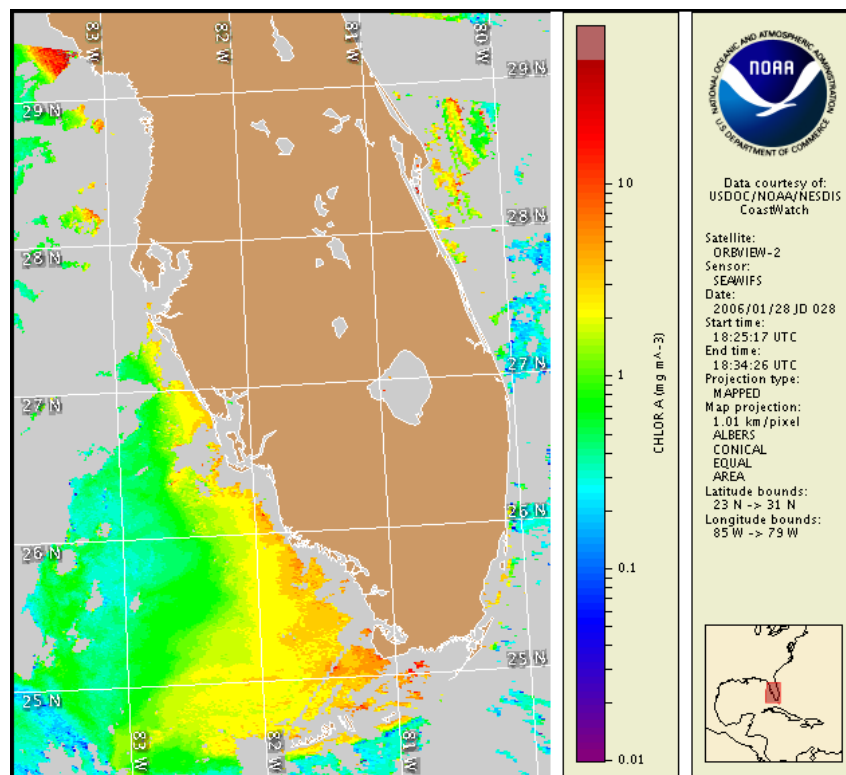
Chlorophyll levels continue to be elevated along much of the SW Florida coastline according to satellite imagery (1/28); however this is largely due to the presence of non harmful algae (FWRI; 1/21-1/26). No *K. brevis* has been identified at the coast in the last week.

A patch of elevated chlorophyll exists north of Sugarloaf Key with a central location at approximately 24°55'N, 81°33'W. This feature may be first identified in imagery dated 1/21 and has become more distinguishable over the last 10 days. Sampling is recommended. A lingering patch of elevated chlorophyll continues to dissipate northwest of the Keys and was located on 1/28 from approximately 25°5'N, 82°31'W to 24°35'N, 82°36'W from northernmost to southernmost extent, respectively. Southeasterly winds may have transported these features slightly westward since 1/28. Variable winds will likely mitigate transport of these features; slight southwesterly migration is possible through Wednesday. Intensification is unlikely.

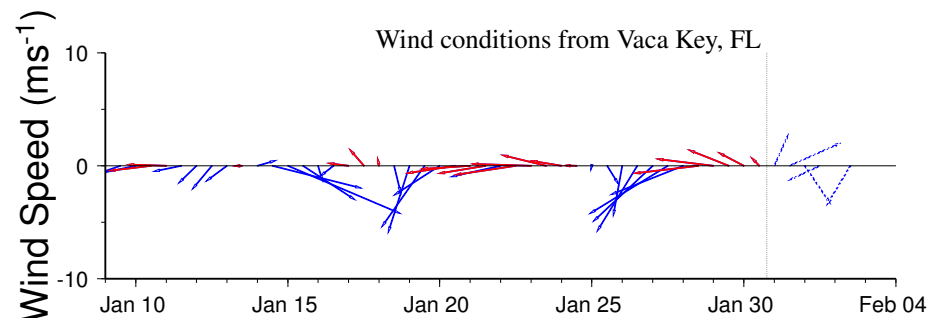
~Fisher, Fenstermacher

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



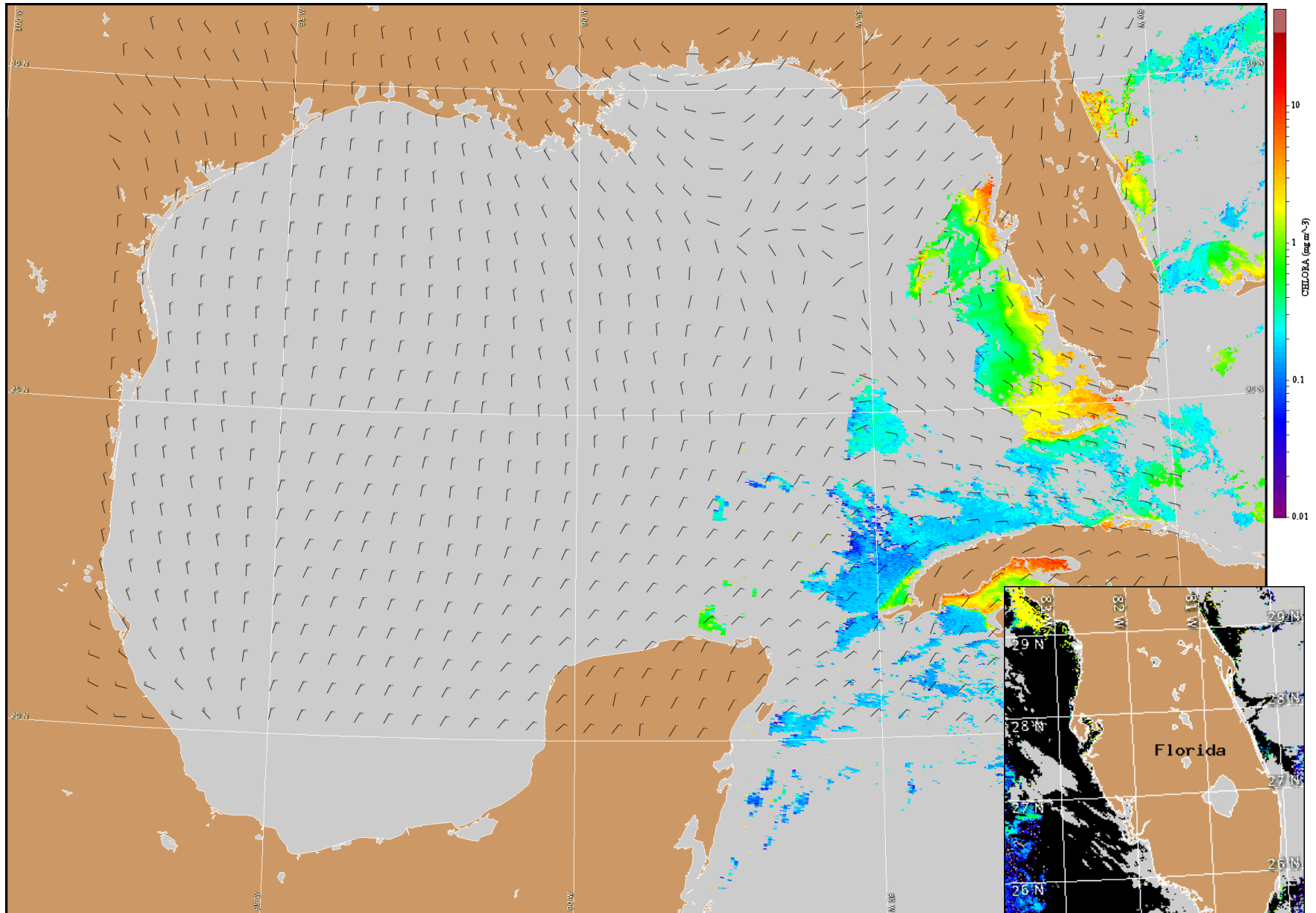
Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Southwesterlies today (15kts, 8m/s), will become northwesterly tonight. Northerlies on Tues- day (10-15kts; 5-8m/s), shifting northeasterly Tuesday night, will continue to clock around to easterlies on Wednesday (10kts, 5m/s). Winds shifting to westerly Wednesday night (5kts, 3m/s). Southerlies Thursday.

Keys: Southerly winds becoming southwesterly today and westerly tonight (10-15kts, 5-8m/s). Northwest to north winds Tuesday, will shift easterly Wednesday into Thursday (10-15kts, 5-8m/s).



Satellite chlorophyll image and forecast winds for January 31, 2006 12Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Venice Pier, FL

